U8969-2
2/28/89 A

uebr

Utah Economic and Business Review

Volume 48
Number 11 - 12
November and December 1988

BEBR

graduate school
of business
bureau of economic and
business research
university of utah

1988 POPULATION ESTIMATES FOR UTAH AND ITS COUNTIES

Brad T. Barber and Jeanine M. Taylor*

The Population Estimates Committee has estimated that the population of Utah reached 1,695,000 as of July 1, 1988, which represents an increase of 15,000, or 0.9 percent over the 1987 revised estimate of 1,680,000. Utah's estimate includes the natural increase of 26,526 persons, and an implied net out-migration of over 11,000. The U.S. population increase was estimated to be 1.0 percent for the same period.

Natural increase, which is the measure of births minus deaths, was the lowest number since 1976. Although the number of births has dropped steadily for the past few years, fiscal year 1988 showed a slight increase of 0.5 percent. Deaths also increased by 3.5 percent, which resulted in the natural increase showing a slight decline.

Most of Utah's population increase occurred in three of the Wasatch Front Counties: Davis, Salt Lake and Utah. Davis County increased by 5,000, while both Salt Lake and Utah Counties increased by 4,000 persons. These three counties accounted for almost 90 percent of the total growth in the state. Although Washington County is still the most rapidly growing county in the state, its 4.1 percent growth for 1988 is the smallest in the last eight years.

This year was the fifth consecutive year of a cycle of net out-migration. The 1988 state rate of net out-migration is 0.7 percent, which means that 0.7 percent of the 1987 population left the state during the year. The rate of net out-migration was once again highest in Utah's rural counties, many of which were impacted by the further decline in energy development. These counties include Beaver, Carbon, Duchesne, Emery, Grand, Iron, Millard, Rich, San Juan, Tooele and Uintah. In fact, these counties, with the exception of San Juan, had net out-migration which exceeded natural increase, resulting in a decline in the total population.

The Population Estimates Committee has revised its 1987 state estimate in order to reach a consensus with the U.S. Bureau of the Census at the state level. This assures

*Brad T. Barber is director of the Demographic and Economic Analysis (DEA) section of the Utah State Office of Planning and Budget, and chairman of the Utah Population Estimates Committee; Jeanine M. Taylor is an economist, DEA, Office of Planning and Budget.

consistency between state total population estimates published by the Bureau of the Census and the Population Estimates Committee. However, the Committee's county estimates may still differ from those of the Census Bureau.

Figure 1 presents the percentage changes in population for each of the counties from 1987 to 1988. Figure 2 displays the percent change in population by county for the period 1980-88, and Figure 3 presents net migration for the 1980-88 period as a percent of 1980 population. Table 1 offers the revised and preliminary population estimates by county, Multi-County Districts (MCD) and Metropolitan Statistical Areas (MSA) for 1980 through 1988. Table 2 presents total natural increase and total "residual" net migration by county for the 1980-88 period, along with the past two individual years. Table 3 offers births, deaths and natural increase for calendar and fiscal years 1970 through 1987-88, while Table 4 shows the population density for each county for 1980, 1987 and 1988. Table 5 presents the derivation of the Committee's preliminary July 1, 1988 estimates based upon the 1987 revised state population total.

Growth in the 1980's

The population estimate for Utah was 1,474,000 as of July 1, 1980. Since that time, the population has grown by approximately 221,000 persons, which translates into a 1.7 percent average annual growth rate for the 1980's. This rate compares to the national average annual growth rate of 1.0 percent for the 1980's, and makes Utah the ninth fastest growing state in the nation.

Population change over time is a result of two phenomena: 1) natural increase, or births minus deaths; and 2) net migration. As stated above, the total increase in population in the state for the 1980's has been due to natural increase; however, the following is a brief description of population change in the 1980's on the county level. These population changes, increases and decreases, are a result of adding natural increase plus net (either in or out) migration to the 1980 population base. Figure 2 displays the total percent changes in county population for the period 1980-88.

The first three years in the 1980's showed net in-migration, while the last five years have shown net out-migration. Natural increase totalled 238,359 for the past eight years. Given the population increase of 221,000, there is an implied "residual" net out-migration, over the past eight years, of over 17,000 persons. In other words, the residual of total population change minus natural increases equals net migration. Net out-migration occurs when the total observed change in population is smaller than the natural increase alone. Net inmigration occurs when the observed population change is greater than that measured by natural increase alone.

Although the four metropolitan counties -- Davis, Weber, Salt Lake and Utah -- accounted for over 75 percent of the population growth in the state in the last eight years, all of the increase was due to natural increase. The natural increase for the four counties was 186,228, while the increase in the population was 171,000. This implies a net out-migration of almost 16,000 persons for the four counties.

In terms of net migration, Washington, Davis, Millard, Cache and Summit Counties had net in-migration of over 1,000 persons for the eight-year period, while 11 counties had net out-migrations of over 1,000 persons for the same period. This does not necessarily mean that there is a net decrease in population; that will happen only if net out-migration is greater than the natural increase. Total net migration for the last eight years as a percent of the Census population count in 1980 is presented in Figure 3.

Organization and Procedure

Coordination and staffing of the Utah Population Estimates Committee is the responsibility of the Demographic and Economic Analysis (DEA) Section of the Utah State Office of Planning and Budget. The Committee's estimates represent the official estimate for the state and its counties. A listing of Committee members appears on the last page of this article.

The Committee's participation in the Federal-State Cooperative Program for Local Population Estimates provides not only for an exchange of data, but also provides for an opportunity to improve the quality of the state and county estimates by both parties.

Methodology for Estimating Population

For the past several years, the Utah Population Estimates Committee has utilized two population estimating methods -- school enrollment and L.D.S. Church membership -- in calculating its state and county estimates. At its November and December 1988 meetings, the Committee reviewed the population estimates derived from these two methods. Employment and new utility connection data were used as supplemental data to the estimates to assure consistency.

School Enrollment Method

The school enrollment method utilizes data from fall 1988 school enrollment changes as an indicator of net migration, along with fiscal year 1988 birth and death records as a measure of natural increase. The Utah Population Estimates Committee, like the Bureau of the Census, relies heavily upon school enrollment data as an indicator of migration. Since the state does not collect migration statistics, it is important to note that these migration numbers are derived estimates -- not an actual count.

The school enrollment method compares a county's survived enrollment (calculated by applying survival rates to the enrollment count) in grades 1-8 for October 1987, to grades 2-9 for October 1988. The difference between these two enrollment totals is taken to be net student migration for the county. Total net migration for the county is then derived by multiplying the county's student migration estimate by the county- specific total population-to-student ratio. This ratio is defined as the total population estimate of the county for 1987 divided by the 1987 grades 1-8 school enrollment.

The second component of the school enrollment method is the calculation of natural increase in the county. Natural increase for any year is defined as the number of births minus the number of deaths. The 1988 population estimates are determined, in part, by the number of resident births and deaths that occurred from July 1, 1987 to June 30, 1988. The count of births and deaths occurring to Utah residents for the fiscal year 1988 can be found in Table 3.

Births in fiscal year 1988 were 35,648, a slight increase from 1987, but still the second lowest number of births since 1976. The crude birth rate (births during the calendar year per 1,000 population on July 1) has dropped from 28.3 in 1980 to 21.0 in 1987, while the U.S. crude birth rate held virtually constant: 15.9 in 1980 and 15.7 in 1987.

The total number of deaths, with few reversals, has increased each year since 1980. However, deaths per 1,000 population have stayed fairly constant -- 5.5 per 1,000 population in 1980 and 5.4 per 1,000 population in 1987.

The school enrollment method is limited in estimating migration among the retired, college students, single persons and other groups that are not represented in school enrollment estimates.

L.D.S. Membership Method

The L.D.S. Church annually audits its records and enumerates the members residing in each county of the state. The Committee uses this information to produce a set of county-level population estimates. The L.D.S. membership method uses a total population to L.D.S. membership ratio which is obtained by dividing 1987's population by the 1987 L.D.S. membership. This ratio is applied to the current L.D.S. membership to obtain a county population estimate. This method is relatively accurate in areas with high proportions of L.D.S. membership and low migration rates.

Local Coordination

At the Committee's December 1988 meeting, the preliminary 1988 county and state population estimates were reviewed and approved. The respective county estimates were then sent to each county commission and to the seven Associations of Government for review and comment. Several issues have been raised as a result of these communications throughout the state and investigation will follow.

The local coordination effort is an important component of the estimation process. Although there will always be small differences between the Committee's estimates and estimates developed by local governments, it does assure the Committee that no major problems exist. The Committee is dedicated to keeping local governments informed of changes in estimation data and procedures.

Table 1
Population Estimates by County, MCD and MSA

County	7/1/80	7/1/81[a]	7/1/82[a]	7/1/83	7/1/84[a]	7/1/85	7/1/86[a]	7/1/87[a]	7/1/88[b]	1980-88 Growth (percent)
Beaver	4,400	4,600	4,650	5,000	5,150	5,050	4,950	4,900	4,800	9.09
Box Elder	33,500	34,000	34,700	35,300	35,800	36,600	37,300	37,800	38,000	13.43
Cache	57,700	59,800	62,000	64,500	65,600	66,700	67,800	69,200	70,600	22.36
Carbon	22,400	23,100	24,700	24,500	23,700	23,400	23,000	22,500	22,000	-1.79
Daggett	750	850	850	750	750	700	700	700	700	-6.67
Davis	148,000	153,000	158,000	162,000	166,000	170,000	175,000	179,000	184,000	24.32
Duchesne	12,700	13,100	13,700	14,400	14,800	14,700	14,300	13,700	13,100	3.15
Emery	11,600	12,100	13,000	13,100	12,400	11,800	11,800	11,600	11,300	-2.59
Garfield	3,700	3,700	3,750	3,950	3,950	4,050	4,050	4,050	4,050	9.46
Grand	8,250	8,400	8,100	7,950	7,650	7,050	6,850	6,700	6,550	-20.61
Iron	17,500	17,900	18,300	18,900	19,300	19,400	19,500	19,500	19,200	9.71
Juab	5,550	5,600	5,700	5,900	6,150	6,250	5,800	5,700	5,700	2.70
Kane	4,050	4,050	4,150	4,350	4,500	4,700	4,800	4,850	4,900	20.99
Millard	9,050	9,600	10,400	11,400	13,500	14,200	13,600	13,000	12,900	42.54
Morgan	4,950	5,050	5,200	5,250	5,350	5,450	5,500	5,650	5,700	15.15
Piute	1,350	1,400	1,350	1,450	1,500	1,550	1,550	1,550	1,550	14.81
Rich	2,150	2,250	2,400	2,300	2,150	2,100	2,050	1,950	1,850	-13.95
Salt Lake	625,000	640,000	655,000	667,000	679,000	689,000	697,000	701,000	705,000	12.80
San Juan	12,400	12,700	12,600	13,000	12,800	12,500	12,700	12,900	12,900	4.03
Sanpete	14,800	15,400	16,100	16,900	17,000	16,900	16,500	16,600	16,700	12.84
Sevier	14,900	15,200	15,500	15,800	16,100	16,200	15,800	15,900	15,900	6.71
Summit	10,400	10,900	11,300	11,800	12,200	12,400	12,700	13,300	13,400	28.85
Tooele	26,200	26,800	27,100	27,300	28,200	28,300	28,100	28,100	27,800	6.11
Uintah	20,700	21,900	24,300	25,300	24,500	24,000	23,000	21,800	21,500	3.86
Utah	220,000	228,000	235,000	242,000	247,000	250,000	253,000	258,000	262,000	19.09
Wasatch	8,650	8,900	8,750	9,050	9,200	9,200	9,450	9,700	9,800	13.29
Washington	26,400	27,700	29,400	30,700	32,600	35,700	39,100	41,300	43,000	62.88
Wayne	1,950	2,000	2,000	2,150	2,150	2,100	2,100	2,050	2,100	7.69
Weber	145,000	148,000	151,000	154,000	155,000	155,000	157,000	157,000	158,000	8.97
MCD										
Bear River	93,350	96,050	99,100	102,100	103,550	105,400	107,150	108,950	110,450	18.32
Wasatch Front	949,150	972,850	996,300	1,015,550	1,033,550	1,047,750	1,062,600	1,070,750	1,080,500	13.84
Mountainland	239,050	247,800	255,050	262,850	268,400	271,600	275,150	281,000	285,200	19.31
Central	47,600	49,200	51,050	53,600	56,400	57,200	55,350	54,800	54,850	15.23
Southwest	56,050	57,950	60,250	62,900	65,500	68,900	72,400	74,600	75,950	35.50
Uintah Basin	34,150	35,850	38,850	40,450	40,050	39,400	38,000	36,200	35,300	3.37
Southeast	54,650	56,300	58,400	58,550	56,550	54,750	54,350	53,700	52,750	-3.48
MSA										
Salt Lake-Ogden MSA	918,000	941,000	964,000	983,000	1,000,000	1,014,000	1,029,000	1,037,000	1,047,000	14.05
Provo MSA	220,000	228,000	235,000	242,000	247,000	250,000	253,000	258,000	262,000	19.09
State of Utah	1,474,000	1,516,000	1,559,000	1,596,000	1,624,000	1,645,000	1,665,000	1,680,000	1,695,000	14.99

[a]Revised
[b]Preliminary

Note: Historical state totals may vary slightly with Bureau of the Census estimates, due to recent revisions by the Census Bureau.

Table 2
Components of Change
1980-88, 1986-87 and 1987-88

	Total Natural Increase	1980 to 1988 Net Migration[a]	Revised 1986 to 1987 Natural Increase	Revised 1986 to 1987 Net Migration[a]	Preliminary 1987 to 1988 Natural Increase	Preliminary 1987 to 1988 Net Migration[a]
Beaver	457	(68)	41	(144)	30	(84)
Box Elder	4,943	(356)	532	(49)	548	(220)
Cache	11,290	1,657	1,242	285	1,298	137
Carbon	2,519	(2,830)	256	(739)	187	(672)
Daggett	105	(163)	8	(26)	9	14
Davis	26,007	9,600	3,159	991	3,239	756
Duchesne	2,489	(2,038)	248	(892)	199	(769)
Emery	2,018	(2,367)	159	(428)	138	(391)
Garfield	455	(115)	43	(12)	23	(39)
Grand	849	(2,570)	80	(237)	56	(217)
Iron	2,812	(1,055)	298	(333)	287	(552)
Juab	718	(593)	64	(192)	52	(44)
Kane	489	335	68	(41)	38	6
Millard	1,752	2,136	189	(829)	175	(152)
Morgan	611	112	78	87	49	(24)
Piute	59	167	5	(22)	(4)	45
Rich	359	(622)	21	(95)	26	(128)
Salt Lake	94,818	(13,801)	10,795	(7,451)	10,821	(6,123)
San Juan	1,923	(1,380)	184	23	220	(215)
Sanpete	1,822	167	140	(86)	167	33
Sevier	1,788	(663)	175	(33)	138	(94)
Summit	1,543	1,517	175	394	163	(40)
Tooele	3,260	(1,549)	366	(325)	310	(541)
Uintah	4,182	(3,368)	424	(1,679)	329	(523)
Utah	46,871	(5,423)	5,059	(304)	5,337	(1,545)
Wasatch	1,234	(105)	113	183	143	(87)
Washington	4,714	11,942	627	1,613	564	1,251
Wayne	240	(108)	27	(69)	14	25
Weber	18,532	(6,227)	2,080	(1,860)	1,970	(1,241)
State Total	238,859	(17,768)	26,656	(12,269)	26,526	(11,435)

[a]Based on unrounded population estimates.

Table 3
Resident Utah Births, Deaths and Natural Increase
Fiscal and Calendar Years 1970-1987/88

Year	Calendar Year (Year Ending 12/31) Births	Deaths	Natural Increase	Fiscal Year (Year Ending 6/30) Births	Deaths	Natural Increase
1970	26,969	7,063	19,906	25,601	6,927	18,674
1971	27,552	7,245	20,307	27,407	7,207	20,200
1972	26,911	7,323	19,588	27,146	7,236	19,910
1973	27,978	7,573	20,405	27,562	7,517	20,045
1974	29,946	7,380	22,566	28,876	7,496	21,380
1975	31,667	7,519	24,148	30,566	7,515	23,051
1976	35,310	7,472	27,838	33,773	7,378	26,395
1977	37,956	7,612	30,344	36,709	7,595	29,114
1978	38,811	7,871	30,940	38,265	7,687	30,578
1979	41,078	7,871	33,207	40,134	7,846	32,288
1980	41,786	8,103	33,683	41,591	8,108	33,483
1981	41,286	8,263	33,023	41,511	8,112	33,399
1982	41,537	8,502	33,035	41,774	8,404	33,370
1983	39,441	8,484	30,957	40,557	8,346	32,211
1984	38,286	8,944	29,342	38,643	8,886	29,757
1985	37,441	9,044	28,397	37,508	8,923	28,585
1986	36,383	8,886	27,497	37,145	8,790	28,355
1987	35,285	9,055	26,230	35,469	8,813	26,656
1988	na	na	na	35,648	9,122	26,526

na - Not available

Table 4
Utah Population Density by County
1980, 1987 and 1988

County	Land Area Square Miles	Land Area Square Kilometers	April 1, 1980 Population Count	April 1, 1980 Population Per Square Mile	July 1, 1987 Population Estimate[a]	July 1, 1987 Population Per Square Mile	July 1, 1988 Population Estimate[b]	July 1, 1988 Population Per Square Mile
Beaver	2,586	6,698	4,378	1.7	4,900	1.9	4,800	1.9
Box Elder	5,614	14,539	33,222	5.9	37,800	6.6	38,000	6.7
Cache	1,171	3,033	57,176	48.8	69,200	57.9	70,600	59.1
Carbon	1,479	3,831	22,179	15.0	22,500	15.6	22,000	15.1
Daggett	699	1,810	769	1.1	700	1.0	700	1.0
Davis	299	775	146,540	490.1	179,000	585.3	184,000	598.7
Duchesne	3,234	8,375	12,565	3.9	13,700	4.4	13,100	4.2
Emery	4,449	11,523	11,451	2.6	11,600	2.7	11,300	2.6
Garfield	5,148	13,333	3,673	0.7	4,050	0.8	4,050	0.8
Grand	3,689	9,554	8,241	2.2	6,700	1.9	6,550	1.8
Iron	3,302	8,551	17,349	5.3	19,500	5.9	19,200	5.9
Juab	3,396	8,796	5,530	1.6	5,700	1.7	5,700	1.7
Kane	3,898	10,095	4,024	1.0	4,850	1.2	4,900	1.2
Millard	6,818	17,659	8,970	1.3	13,000	2.0	12,900	1.9
Morgan	603	1,562	4,917	8.2	5,650	9.1	5,700	9.4
Piute	759	1,965	1,329	1.8	1,550	2.0	1,550	2.0
Rich	1,034	2,679	2,100	2.0	1,950	2.0	1,850	1.9
Salt Lake	756	1,959	619,066	818.9	701,000	922.0	705,000	925.9
San Juan	7,725	20,008	12,253	1.6	12,900	1.6	12,900	1.7
Sanpete	1,586	4,109	14,620	9.2	16,600	10.4	16,700	10.5
Sevier	1,910	4,946	14,727	7.7	15,900	8.3	15,900	8.3
Summit	1,865	4,831	10,198	5.5	13,300	6.8	13,400	7.1
Tooele	6,919	17,921	26,033	3.8	28,100	4.1	27,800	4.1
Uintah	4,479	11,600	20,506	4.6	21,800	5.1	21,500	4.9
Utah	2,018	5,226	218,106	108.1	258,000	125.4	262,000	127.4
Wasatch	1,191	3,084	8,523	7.2	9,700	7.9	9,800	8.1
Washington	2,422	6,272	26,065	10.8	41,300	16.1	43,000	17.0
Wayne	2,461	6,373	1,911	0.8	2,050	0.9	2,100	0.8
Weber	566	1,465	144,616	255.5	157,000	277.4	158,000	277.4
State Total	82,076	212,572	1,461,037	17.8	1,680,000	20.3	1,695,000	20.4

[a]Revised
[b]Preliminary

Table 5
Derivation of 1988 County Population Estimates

	Revised July 1, 1987 Population Estimates	Fall 1988 School Enrollment Method	1988 L.D.S. Membership Method	1988 Population Estimates Average	July 1, 1988 Preliminary Population Estimates	1987-88 Percentage Change
Beaver	4,900	4,813	4,761	4,787	4,800	-2.0
Box Elder	37,800	37,942	38,167	38,054	38,000	0.5
Cache	69,200	70,455	70,851	70,653	70,600	2.0
Carbon	22,500	22,029	22,056	22,043	22,000	-2.2
Daggett	700	766	647	706	700	0.0
Davis	179,000	183,734	183,273	183,504	184,000	2.8
Duchesne	13,700	13,132	13,103	13,117	13,100	-4.4
Emery	11,600	11,381	11,203	11,292	11,300	-2.6
Garfield	4,050	4,009	4,119	4,064	4,050	0.0
Grand	6,700	6,625	6,455	6,540	6,550	-2.2
Iron	19,500	18,970	19,444	19,207	19,200	-1.5
Juab	5,700	5,835	5,558	5,697	5,700	0.0
Kane	4,850	4,883	4,897	4,890	4,900	1.0
Millard	13,000	12,758	13,105	12,931	12,900	-0.8
Morgan	5,650	5,600	5,771	5,686	5,700	0.9
Piute	1,550	1,619	1,511	1,565	1,550	0.0
Rich	1,950	1,858	1,880	1,869	1,850	-5.1
Salt Lake	701,000	703,197	707,833	705,515	705,000	0.6
San Juan	12,900	13,096	12,752	12,924	12,900	0.0
Sanpete	16,600	16,785	16,698	16,741	16,700	0.6
Sevier	15,900	15,992	15,990	15,991	15,900	0.0
Summit	13,300	13,647	13,186	13,417	13,400	0.8
Tooele	28,100	27,835	27,953	27,894	27,800	-1.1
Uintah	21,800	21,807	21,250	21,529	21,500	-1.4
Utah	258,000	261,078	262,567	261,823	262,000	1.6
Wasatch	9,700	9,585	9,980	9,782	9,800	1.0
Washington	41,300	42,980	43,219	43,100	43,000	4.1
Wayne	2,050	2,143	2,009	2,076	2,100	2.4
Weber	157,000	157,759	157,628	157,694	158,000	0.6
State Total	1,680,000	1,692,314	1,697,868	1,695,091	1,695,000	0.9

Population Estimates Committee

Brad T. Barber, Chairman
State Office of Planning and Budget

Bruce Bailey
Utah Foundation

John E. Brockert
Utah Department of Health

Walter Busse
Church of Jesus Christ of Latter-day Saints

Linda Collette
Utah Board of Regents

Susan Davis
Mountain Fuel Supply

Frank Hachman
Bureau of Economic and Business Research
University of Utah

Kenneth E. Jensen
Utah Department of Employment Security

Yun Kim
Population Research Lab
Utah State University

Marvin I. Levy
Utah Department of Health

Gery Moore
Utah Department of Health

Richard Oldroyd
Commission on Criminal and Juvenile Justice

Jewell Rassmussen
Department of Economics
University of Utah

T. Ross Reeve
Utah Power and Light

Hal Robbins
Utah State Office of Education

Bruce Slater
Utah Department of Health

Jeanine M. Taylor
State Office of Planning and Budget

Rodger Weaver
Utah Division of Public Utilities

Tom Williams
Utah State Tax Commission

Figure 1
Percent Change in Population by County
July 1, 1987 to July 1, 1988

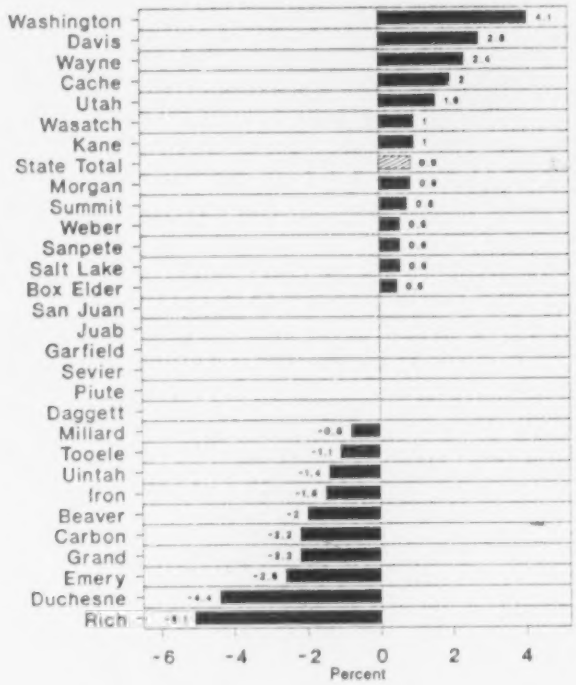


Figure 2
Percent Change in Population by County
July 1, 1980 to July 1, 1988

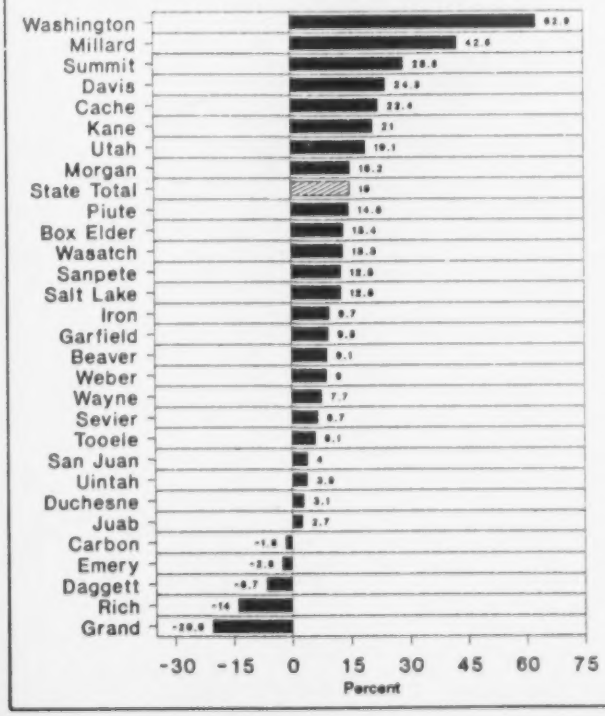
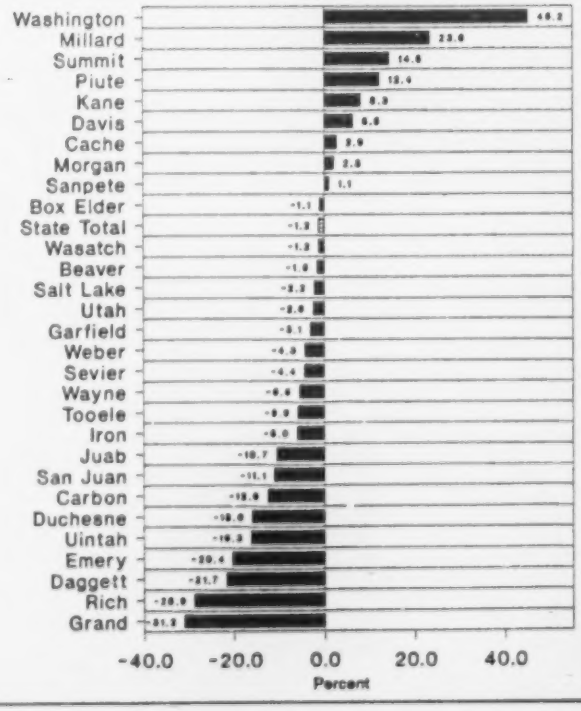


Figure 3
Net Migration from 1980 to 1988 as a
Percent of 1980 Population by County



Source: Utah Population Estimates Committee

Utah Business Statistics

UTAH DATA	August 1987	August 1988	% Change From Year Ago	12 Month Average This Year	12 Month Average Last Year	12 Month Average % Change
Total Personal Income (seasonally adjusted) (mil. of dol.) (qtly.)	19,171	NA	NA	NA	18,635.0	NA
New Corporations (no.)	433	456	5.3%	471	451	4.8%
New Car, Truck and Motorhome Sales (no.)	5,657	NA	NA	NA	5,374	-19.1%
Agriculture						
Average Prices Recorded by Farmers (dol.)						
Beef Steers and Heifers (cwt) (thous.)	64.10	67.00	4.5%	66.57	61.28	8.5%
Lambs (cwt)	72.10	54.50	-24.4%	66.61	71.34	-6.6%
Milk Wholesale (cwt)	11.70	11.20	-4.3%	11.50	12.06	-4.2%
Alfalfa Hay, Baled (per ton)	66.00	76.00	15.2%	73.17	64.83	12.9%
Cattle Slaughtered (live weight) (thous. of lbs.)	44,303	50,843	14.8%	45,798	40,271	13.6%
Construction						
Total Construction (thous. of dol.) 1	86,805	183,403	111.3%	123,726	123,387	0.3%
Residential	52,192	50,729	-2.8%	47,464	54,495	-12.9%
Nonresidential	26,205	53,142	102.8%	43,647	39,849	9.5%
Public Works and Utilities	8,408	79,532	845.9%	32,720	29,044	12.7%
Total Permit Construction (thous. of dol.) 2	100,335.2	84,059.7	-16.2%	75,535.6	96,386.7	-21.6%
Residential	45,583.1	39,597.1	-13.1%	34,218.4	48,071.2	-28.8%
Nonresidential	28,906.1	25,244.5	-12.7%	27,771.4	34,763.0	-20.1%
Additions, Alterations and Repairs	25,846.0	19,218.1	-25.6%	13,546.5	13,552.5	-0.0%
New Dwelling Units (no.)	656	533	-18.8%	476	752	-36.6%
Employment						
Civilian Labor Force (thous.)	755.5	747.3	-1.1%	754.5	757.7	-0.4%
Total Employed Persons	710.7	715.0	0.6%	713.9	709.4	0.6%
Unemployed Persons	44.8	32.3	-27.9%	40.7	48.3	-15.7%
Percent Total Labor Force	5.9	4.3	-27.1%	5.4	6.4	-15.7%
Employees on Nonagricultural Payrolls (thous. of jobs)	638.4	655.3	2.6%	648.1	637.4	1.7%
Manufacturing	93.6	98.6	5.3%	95.4	91.0	4.8%
Mining	8.0	8.5	6.3%	8.3	7.8	6.6%
Contract Construction	28.7	26.3	-8.4%	24.5	28.5	-13.9%
Transportaion, Communication and Utilities	38.0	39.4	3.7%	38.5	37.5	2.6%
Wholesale Trade	34.8	34.7	-0.3%	34.9	35.2	-1.0%
Retail Trade	118.6	120.8	1.9%	118.3	117.8	0.4%
Finance, Insurance and Real Estate	34.4	34.0	-1.2%	33.7	33.6	0.4%
Services 3	149.8	158.8	6.0%	152.7	143.8	6.2%
Federal Government	39.8	39.5	-0.8%	39.4	40.1	-1.8%
State Government 4	35.5	36.5	2.8%	37.7	37.9	-0.5%
Local Government 4	57.1	58.2	1.9%	64.5	63.7	1.3%
Average Weekly Hours						
Manufacturing	39.7	40.8	2.8%	40.4	39.5	2.3%
Mining	40.1	41.9	4.5%	42.7	41.3	3.5%
Wholesale Trade	37.4	36.7	-1.9%	38.0	37.6	1.0%
Retail Trade	28.7	29.0	1.0%	28.1	28.1	-0.0%
Amount of Unemployment Compensation (thous. of dol.)	5,654.1	5,018.4	-11.2%	6,191.9	8,678.0	-28.6%
Finance						
Savings, Savings and Loan Association (mil. of dol.)	2,453.0	2,401.0	-2.1%	2,364.1	2,437.7	-3.0%
Tax Collections by the State of Utah (thous. of dol.)						
Total Tax Collections	200,943.8	203,069.6	1.1%	148,589.6	132,395.1	12.2%
Sales and Use Tax	71,894.1	87,776.3	22.1%	52,052.1	47,152.9	10.4%
Motor Fuel Tax	9,056.5	11,894.4	31.3%	10,888.3	8,078.0	34.8%
Individual Income Tax	82,248.2	63,477.3	-22.8%	51,160.6	46,567.1	9.9%
Corporation Franchise Tax	1,503.2	878.2	-41.6%	5,639.5	5,237.7	7.7%
Production						
Net Electric Power Utilized (mil. of kwh)	1,223.0	1,334.9	9.1%	1,205.3	1,126.4	7.0%
Crude Oil to Refineries (thous. of bbls.)	3,874.5	4,722.2	21.9%	4,036.4	3,906.1	3.3%
Crude Oil (thous. of bbls.)	2,902.0	2,762.8	-4.8%	2,861.5	3,006.3	-4.8%
Natural Gas (mil. of cu. ft.)	19,933.4	22,428.3	12.5%	23,377.9	20,557.6	13.7%
Coal (thous. short tons)	1,501.0	1,636.0	9.0%	1,541.0	1,002.6	53.7%
Tourism/Travel						
Air Passengers (total no. on and off) (S.L. Int'l Airport)	1,017,714	1,060,054	4.2%	855,633	842,472	1.6%
Highway Traffic Count Across State Lines	51,569	NA	NA	NA	37,981.0	NA
Transient Room Taxes (thous. of dol.)	263.6	1,099.2	317.0%	561.3	439.4	27.7%
Visits, State, Nat'l. Parks, Monuments (thous.)	2,113.9	2,275.4	7.6%	1,088.7	1,028.5	5.9%
Utilities						
Telephone Lines in Service (Mt. Bell) (Residential)	478,165	486,884	1.8%	485,626	477,692	1.7%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	176,545	181,606	2.9%	179,189	173,536	3.3%
Electric Customers (Residential)	476,689	476,380	-0.1%	475,838	469,704	1.3%
Electric Customers (Commercial)	46,082	47,115	2.2%	46,559	46,023	1.2%
Natural Gas Customers (Residential & Commercial)	441,846	454,906	3.0%	454,986	443,328	2.6%
Natural Gas Customers (Industrial)	550	552	0.4%	548	560	-2.2%

Utah Business Statistics

UTAH DATA	August 1987	August 1988	% Change From Year Ago	12 Month Average This Year	12 Month Average Last Year	12 Month Average % Change
Davis County						
Non-Ag. Employment (thous.)	52.7r	53.1fo	0.8%	52.2	52.5	-0.5%
Unemployment Rate	5.2r	4.2	-19.2%	4.7	5.3	-10.8%
Auth. Permit Construction (thous. of dol.)	14,995.8	13,008.0	-13.3%	9,892.2	13,580.2	-27.2%
New Dwelling Units (no.)	113	83	-26.5%	71	107	-33.9%
Postal Receipts (thous. of dol.)	301.0	408.4	35.7%	388.7	NA	NA
Electric Customers (Residential)	47,162	48,230	2.3%	47,937	46,713	2.6%
Electric Customers (Commercial)	3,238	3,491	7.8%	3,396	3,250	4.5%
Natural Gas Customers (Residential)	48,483	50,076	3.3%	49,855	48,165	3.5%
Natural Gas Customers (Industrial)	52	53	1.9%	52	52	0.5%
Telephone Lines in Service (Mt. Bell)(Residential)	55,382	55,489	0.2%	55,004	54,491	0.9%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	10,707	11,454	7.0%	11,052	10,405	6.2%
Salt Lake County						
Non-Ag. Employment (thous.)	332.7r	339.4fo	2.0%	336.6	332.4	1.2%
Unemployment Rate	5.1r	4.0	-21.6%	5.0	5.5	-9.6%
Auth. Permit Construction (thous. of dol.)	40,130.1	36,834.2	-8.2%	34,111.8	45,876.4	-25.6%
New Dwelling Units (no.)	208	200	-3.8%	176	307	-42.6%
Postal Receipts (thous. of dol.)	6,449.8	8,136.4	26.1%	7,885.9	7,017.0	12.4%
Electric Customers (Residential)	235,258	238,619	1.4%	238,642	234,962	1.6%
Electric Customers (Commercial)	19,804	20,507	3.5%	20,282	19,729	2.8%
Natural Gas Customers (Residential)	214,247	218,491	2.0%	219,473	216,184	1.5%
Natural Gas Customers (Industrial)	235	241	2.6%	235	246	-4.4%
Telephone Lines in Service (Mt. Bell)(Residential)	226,538	229,880	1.5%	229,126	225,605	1.6%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	110,396	111,551	1.0%	110,569	109,344	1.1%
Utah County						
Non-Ag. Employment (thous.)	72.6r	75.5fo	4.0%	75.4	73.0	3.3%
Unemployment Rate	6.6r	3.8	-42.4%	5.0	7.4	-32.1%
Auth. Permit Construction (thous. of dol.)	13,350.0	11,053.7	-17.2%	10,592.9	12,034.1	-12.0%
New Dwelling Units (no.)	79	82	3.8%	66	98	-32.7%
Postal Receipts (thous. of dol.)	839.0	1,228.7	46.4%	1,078.4	928.3	16.2%
Electric Customers (Residential)	57,761	53,348	-7.6%	52,623	51,000	3.2%
Electric Customers (Commercial)	6,363	6,019	-5.4%	5,974	6,341	-5.8%
Natural Gas Customers (Residential)	59,799	61,404	2.7%	61,280	60,113	1.9%
Natural Gas Customers (Industrial)	68	68	0.0%	68	69	-1.2%
Telephone Lines in Service (Mt. Bell)(Residential)	61,048	63,623	4.2%	64,059	62,467	2.5%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	18,591	19,927	7.2%	19,637	17,729	10.8%
Weber County						
Non-Ag. Employment (thous.)	60.5	61.4	1.5%	60.9	60.3	1.0%
Unemployment Rate	6.8	5.1	-25.0%	6.1	7.0	-12.8%
Auth. Permit Construction (thous. of dol.)	15,691.9	6,182.5	-60.6%	6,364.9	8,887.6	-28.4%
New Dwelling Units (no.)	96	62	-35.4%	49.4	75.1	-34.2%
Postal Receipts (thous. of dol.)	572.3	607.6	6.2%	639.7	619.1	3.3%
Electric Customers (Residential)	52,740	53,428	1.3%	53,332.5	52,549.7	1.5%
Electric Customers (Commercial)	4,863	4,972	2.2%	4,913.4	4,805.1	2.3%
Natural Gas Customers (Residential)	48,387	49,784	2.9%	49,533.9	48,801.8	1.5%
Natural Gas Customers (Industrial)	85	82	-3.5%	83.5	85.3	-2.1%
Telephone Lines in Service (Mt. Bell)(Residential)	45,983	46,560	1.3%	46,254.7	45,770.7	1.1%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	11,109	12,034	8.3%	11,596.4	10,791.8	7.5%

r Revised fo Forecast Na Not Available

Sources:

Personal Income:	Bureau of Economic Analysis, U.S. Department of Commerce.
New Corporations:	Utah Secretary of State.
New Car and Truck Sales:	Utah State Tax Commission, Economic and Statistical Unit.
Agriculture:	U.S. Department of Agriculture, Agriculture, Utah: Utah Crop and Livestock Reporting Service.
Construction Data:	F.W. Dodge Statistics and Utah Construction Report, Bureau of Economic and Business Research.
Employment Data:	Utah Department of Employment Security.
Savings Information:	Utah Savings and Loan Institutions.
Tax Collections:	Utah State Tax Commission.
Net Electric Power Utilized:	Cooperating Utah power companies
Crude Oil Production:	Area oil refineries.
Natural Gas Production:	Utah Department of Oil, Gas, and Mining.
Coal Production:	U.S. Department of Energy.
Air Passengers:	Salt Lake City International Airport, Statistics Division.
Highway Traffic Count:	Utah Department of Transportation.
Visits to State and National Parks and Monuments:	U.S. Forest Service, Utah State Parks and Recreation Department.
Utilities Data:	Cooperating Utah utility companies.
Postal Receipts:	Postmasters in Davis, Salt Lake, Utah and Weber Counties.

Footnotes:

1 Obtained from F.W. Dodge Statistics.
2 Obtained from Utah Construction Report.
3 Includes services by nonprofit and religious organizations.
4 Includes public schools and college institutions.

Utah Business Statistics

UTAH DATA	Sept. 1987	Sept. 1988	% Change From Year Ago	12 Month Average This Year	12 Month Average Last Year	12 Month Average % Change
Total Personal Income (seasonally adjusted) (mil. of dol.) (qtly.)	19,171	NA	NA	NA	18,704.3	NA
New Corporations (no.)	505	427	-15.4%	465	456	1.9%
New Car, Truck and Motorhome Sales (no.)	5,441	NA	NA	NA	5,122	-19.1%
Agriculture						
Average Prices Recorded by Farmers (dol.)						
Beef Steers and Heifers (cwt) (thous.)	64.30	67.60	5.1%	66.64	61.93	7.6%
Lambs (cwt)	72.10	58.50	-18.9%	67.48	71.93	-9.0%
Milk Wholesale (cwt)	12.10	11.90	-1.7%	11.53	12.07	-4.4%
Alfalfa Hay, Baled (per ton)	72.00	77.00	6.9%	73.58	65.67	12.1%
Cattle Slaughtered (live weight) (thous. of lbs.)	44,540	46,200	3.7%	45,896	40,773	12.6%
Construction						
Total Construction (thous. of dol.) 1	114,301	77,678	-32.0%	120,744	121,088	-0.3%
Residential	49,601	46,588	-6.1%	47,213	53,677	-12.0%
Nonresidential	31,187	21,663	-30.5%	42,853	39,283	9.1%
Public Works and Utilities	33,504	9,427	-71.9%	30,713	28,127	9.2%
Total Permit Construction (thous. of dol.) 2	76,628.3	66,168.0	-13.7%	74,663.9	93,950.1	-20.5%
Residential	35,681.5	35,977.5	0.8%	34,243.1	45,760.0	-25.2%
Nonresidential	27,718.9	19,497.4	-29.7%	27,086.3	34,651.3	-21.8%
Additions, Alterations and Repairs	13,227.9	10,693.1	-19.2%	13,335.3	13,538.8	-1.5%
New Dwelling Units (no.)	509	496	-2.6%	475	704	-32.5%
Employment						
Civilian Labor Force (thous.)	757.4	757.4	0.0%	754.5	756.8	-0.3%
Total Employed Persons	715.5	725.7	1.4%	714.7	708.6	0.9%
Unemployed Persons	41.9	31.7	-24.3%	39.8	48.2	-17.5%
Percent Total Labor Force	5.5	4.2	-23.6%	5.3	6.4	-17.4%
Employees on Nonagricultural Payrolls (thous. of jobs)	650.0	670.2	3.1%	649.7	638.0	1.8%
Manufacturing	94.4	99.3	5.2%	95.8	91.3	5.0%
Mining	8.0	8.2	2.5%	8.3	7.9	6.2%
Contract Construction	28.8	27.5	-4.5%	24.4	28.0	-12.7%
Transportaion, Communication and Utilities	38.1	40.3	5.8%	38.7	37.6	2.9%
Wholesale Trade	36.6	34.9	-4.6%	34.7	35.2	-1.5%
Retail Trade	120.3	123.2	2.4%	118.6	117.9	0.5%
Finance, Insurance and Real Estate	33.9	33.3	-1.8%	33.7	33.7	0.1%
Services 3	148.6	162.2	9.2%	153.8	144.4	6.5%
Federal Government	39.6	39.4	-0.5%	39.4	40.0	-1.6%
State Government 4	36.3	36.3	0.0%	37.7	37.9	-0.5%
Local Government 4	65.5	65.6	0.2%	64.5	63.8	1.2%
Average Weekly Hours						
Manufacturing	40.0	41.0	2.5%	40.5	39.4	2.7%
Mining	40.9	41.0	0.2%	42.8	41.3	3.5%
Wholesale Trade	37.5	37.4	-0.3%	38.0	37.6	1.0%
Retail Trade	28.5	28.3	-0.7%	28.1	28.1	-0.1%
Amount of Unemployment Compensation (thous. of dol.)	5,663.6	4,023.7	-29.0%	6,055.3	8,598.3	-29.6%
Finance						
Savings, Savings and Loan Association (mil. of dol.)	2,461.4	2,409.0	-2.1%	2,359.7	2,442.5	-3.4%
Tax Collections by the State of Utah (thous. of dol.)						
Total Tax Collections	74,290.9	29,842.7	-59.8%	144,885.6	133,891.0	8.2%
Sales and Use Tax	2,172.6	2,880.0	32.6%	52,111	46,958	11.0%
Motor Fuel Tax	13,100.9	12,576.5	-4.0%	10,844.6	8,533.3	27.1%
Individual Income Tax	37,799.9	46,307.2	22.5%	51,869.6	46,913.9	10.6%
Corporation Franchise Tax	8,020.6	11,938.3	48.8%	5,966.0	5,825.7	2.4%
Production						
Net Electric Power Utilized (mil. of kwh)	1,165.9	1,507.0	29.3%	1,233.8	1,135.4	8.7%
Crude Oil to Refineries (thous. of bbls.)	3,589.9	NA	NA	NA	3,869.0	NA
Crude Oil (thous. of bbls.)	2,955.1	2,637.7	-10.7%	2,835.1	3,007.3	-5.7%
Natural Gas (mil. of cu. ft.)	22,337.8	21,525.6	-3.6%	23,310.2	20,923.5	11.4%
Coal (thous. short tons)	1,538.0	1,467.0	-4.6%	1,535.1	1,057.8	45.1%
Tourism/Travel						
Air Passengers (total no. on and off) (S.L. Int'l Airport)	773,696	814,460	5.3%	859,030	842,618	1.9%
Highway Traffic Count Across State Lines	43,296	NA	NA	NA	38,071	NA
Transient Room Taxes (thous. of dol.)	32.2	35	8.7%	561	454	23.6%
Visits, State, Nat'l. Parks, Monuments (thous.)	1,482.9	1,523.1	2.7%	1,092.1	1,049.7	4.0%
Utilities						
Telephone Lines in Service (Mt. Bell) (Residential)	480,810	489,914.0	1.9%	486,385.1	478,202.2	1.7%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	177,268	183,005.0	3.2%	179,667.0	174,166.0	3.2%
Electric Customers (Residential)	479,247	476,227.0	-0.6%	475,586.1	471,057.6	1.0%
Electric Customers (Commercial)	46,357	46,940.0	1.3%	46,607.5	46,073.5	1.2%
Natural Gas Customers (Residential & Commercial)	441,800	455,778.0	3.2%	456,150.6	444,328.4	2.7%
Natural Gas Customers (Industrial)	551	552.0	0.2%	547.7	558.1	-1.9%

Utah Business Statistics

UTAH DATA	Sept. 1987	Sept. 1988	% Change From Year Ago	12 Month Average This Year	12 Month Average Last Year	12 Month Average % Change
Davis County						
Non-Ag. Employment (thous.)	52.6	53.7fo	2.1%	52.3	52.4	-0.2%
Unemployment Rate	5.0	4.0	-20.0%	4.6	5.4	-15.5%
Auth. Permit Construction (thous. of dol.)	12,051.9	6,860.4	-43.1%	9,459.6	13,319.2	-29.0%
New Dwelling Units (no.)	79.0	60.0	-24.1%	69.2	101.9	-32.1%
Postal Receipts (thous. of dol.)	318.2	417.5	31.2%	397.0	NA	NA
Electric Customers (Residential)	47,516	48,172	1.4%	47,992	46,889	2.4%
Electric Customers (Commercial)	3,271	3,477	6.3%	3,413	3,256	4.8%
Natural Gas Customers (Residential)	48,535	50,278	3.6%	50,000	48,361	3.4%
Natural Gas Customers (Industrial)	50	53	6.0%	52	52	1.1%
Telephone Lines in Service (Mt. Bell)(Residential)	55,547	55,683	0.2%	55,016	54,652	0.7%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	10,712	11,516	7.5%	11,119	10,439	6.5%
Salt Lake County						
Non-Ag. Employment (thous.)	336.6	343.5fo	2.1%	337.1	332.6	1.4%
Unemployment Rate	5.1	4.0	-21.6%	4.9	5.5	-11.6%
Auth. Permit Construction (thous. of dol.)	32,058.4	28,217.2	-12.0%	33,791.7	44,758.9	-24.5%
New Dwelling Units (no.)	186	224	20.4%	179	285	-37.2%
Postal Receipts (thous. of dol.)	9,043.2	7995.9	-11.6%	7,798.6	7,219.4	8.0%
Electric Customers (Residential)	235,772	239,007	1.4%	238,912	235,375	1.5%
Electric Customers (Commercial)	19,966	20,405	2.2%	20,319	19,783	2.7%
Natural Gas Customers (Residential)	214,225	218,524	2.0%	219,831	216,605	1.5%
Natural Gas Customers (Industrial)	235	239	1.7%	235	244	-3.6%
Telephone Lines in Service (Mt. Bell)(Residential)	227,223	230,858	1.6%	229,427	225,907	1.6%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	110,514	111,679	1.1%	110,667	109,506	1.1%
Utah County						
Non-Ag. Employment (thous.)	76.5	80.5fo	5.2%	75.7	73.2	3.4%
Unemployment Rate	5.9	3.6	-39.0%	4.8	7.3	-33.9%
Auth. Permit Construction (thous. of dol.)	8,996.7	8,856.6	-1.6%	10,579.5	12,152.8	-12.9%
New Dwelling Units (no.)	58	72	24.1%	67	97	-30.7%
Postal Receipts (thous. of dol.)	866.4	1,194.9	37.9%	1,105.8	929.7	18.9%
Electric Customers (Residential)	59,463	52,986	-10.9%	52,083	51,705	0.7%
Electric Customers (Commercial)	6,398	6,019	-5.9%	5,945	6,365	6.6%
Natural Gas Customers (Residential)	59,804	61,388	2.6%	61,412	60,173	2.1%
Natural Gas Customers (Industrial)	69	67	-2.9%	68	69	-1.1%
Telephone Lines in Service (Mt. Bell)(Residential)	62,837	65,409	4.1%	64,274	62,364	3.1%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	19,055	20,863	9.5%	19,788	17,977	10.1%
Weber County						
Non-Ag. Employment (thous.)	59.7	60.6fo	1.5%	61.0	60.3	1.2%
Unemployment Rate	6.2	4.7	-24.2%	6.0	7.0	-15.0%
Auth. Permit Construction (thous. of dol.)	7,921.8	3,973.1	-49.8%	6,055.8	8,369.0	-27.8%
New Dwelling Units (no.)	57	38	-33.3%	48	71	-32.4%
Postal Receipts (thous. of dol.)	596.7	739.0	23.8%	651.6	618.7	5.3%
Electric Customers (Residential)	52,730	53,394	1.3%	53,388	52,629	1.4%
Electric Customers (Commercial)	4,866	4,983	2.4%	4,923	4,815	2.2%
Natural Gas Customers (Residential)	48,246	49,327	2.2%	49,624	48,855	1.6%
Natural Gas Customers (Industrial)	85	83	-2.4%	83	85	-2.1%
Telephone Lines in Service (Mt. Bell)(Residential)	45,952	46,630	1.5%	46,311	45,816	1.1%
Telephone Lines in Service (Mt. Bell)(Nonresidential)	11,194	12,122	8.3%	11,674	10,845	7.6%

r Revised fo Forecast Na Not Available

Sources:

Personal Income:	Bureau of Economic Analysis, U.S. Department of Commerce.
New Corporations:	Utah Secretary of State.
New Car and Truck Sales:	Utah State Tax Commission, Economic and Statistical Unit.
Agriculture:	U.S. Department of Agriculture, Agriculture, Utah: Utah Crop and Livestock Reporting Service.
Construction Data:	F.W. Dodge Statistics and Utah Construction Report, Bureau of Economic and Business Research.
Employment Data:	Utah Department of Employment Security.
Savings Information:	Utah Savings and Loan Institutions.
Tax Collections:	Utah State Tax Commission.
Net Electric Power Utilized:	Cooperating Utah power companies
Crude Oil Production:	Area oil refineries.
Natural Gas Production:	Utah Department of Oil, Gas, and Mining.
Coal Production:	U.S. Department of Energy.
Air Passengers:	Salt Lake City International Airport, Statistics Division.
Highway Traffic Count:	Utah Department of Transportation.
Visits to State and National Parks and Monuments:	U.S. Forest Service, Utah State Parks and Recreation Department.
Utilities Data:	Cooperating Utah utility companies.
Postal Receipts:	Postmasters in Davis, Salt Lake, Utah and Weber Counties.

Footnotes:

1 Obtained from F.W. Dodge Statistics.
2 Obtained from Utah Construction Report.
3 Includes services by nonprofit and religious organizations.
4 Includes public schools and college institutions.

ureau of Economic and
Business Research
niversity of Utah
alt Lake City, Utah 84112
eturn Postage Guaranteed
Non-Profit Organization)

Non-Profit Org.
U.S. Postage Paid

Permit No. 1529
Salt Lake City, Utah

NATIONAL DATA	Sept. 1987	Sept. 1988	% Change From Year Ago	12 Month Average This Year	12 Month Average Last Year	12 Month Average % Change
U.S. Gross National Product (seasonally adjusted) (bil.) (qtly.)	4,568.0	4,899.5	7.3%	4,776.6	4,437.2	7.7%
Total Personal Income (seasonally adjusted) (bil. of dol.)	3,820.8	4,112.9	7.6%	4,001.4	3,703.2	8.1%
Industrial Production Indexes (seasonally adjusted) (1977=100)	131.0	138.7	5.9%	135.5	128.0	5.9%
Total Non-Farm Bus. Expend. on New Plants & Equip. (bil.) (qtly.)	393.1	440.4	12.0%	424.1	382.7	10.8%
Index of Leading Indicators (1967=100)	191.9	192.9	0.5%	191.9	187.6	2.3%
Price Indexes						
Consumer Price Indexes (not seasonally adjusted) (1982-84=100)						
CPI-U (All Urban Consumers) All Items	115.0	119.8	4.2%	117.0	112.4	4.1%
CPI-U (All Urban Consumers) Food & Beverages	114.2	120.1	5.2%	116.7	112.6	3.7%
CPI-U (All Urban Consumers) Housing	115.6	119.9	3.7%	117.4	113.2	3.7%
CPI-U (All Urban Consumers) Transportation	106.6	109.7	2.9%	108.0	103.8	4.0%
CPI-U (All Urban Consumers) Medical Care	131.9	140.4	6.4%	136.4	128.3	6.3%
CPI-U (All Urban Consumers) Energy	92.3	91.9	-0.4%	89.2	86.8	2.7%
Producer Price Index (not seasonally adjusted) (1982=100)						
Producer Price Index, All Finished Goods	105.7	108.6	2.7%	107.1	104.7	2.2%
GNP Price Deflator (1982=100) (qtly.)	118.2	122.4	3.6%	120.4	116.7	3.2%
Civilian Employment (seasonally adjusted)						
Total Civilian Labor Force (mil.)	119.9	121.9	1.7%	121.2	119.3	1.5%
Total Civilian Employment (mil.)	112.7	115.3	2.3%	114.4	111.6	2.4%
Unemployment Rate	5.9	5.4	-8.5%	5.6	6.4	-12.5%
Construction						
Total Construction (mil. of dol.)	22,147.6	21,174.0	-4.4%	20,507.7	20,920.4	-2.0%
Residential	10,445.2	10,116.9	-3.1%	9,672.2	10,003.9	-3.3%
Nonresidential	8,174.5	7,523.8	-8.0%	7,004.4	7,157.3	-2.1%
Non-Building	3,797.9	3,533.3	-7.0%	3,662.8	3,781.7	-3.1%
New Dwelling Units (no.)	139,987	119,854	-14.4%	118,685	135,236	-12.2%
Interest Rates						
Short Term (3-month Treasury bill rate)	6.32	7.23	14.4%	6.25	5.66	10.4%
Long Term (30-year Treasury bond yields)	9.58	9.06	-5.4%	8.77	8.28	5.8%
Prime Rates Charged by Banks on Short-term Business Loans (ave.)	8.70	10.00	14.9%	8.99	7.86	14.3%
Mortgage Rates (new homes)	9.03	9.03	0.0%	8.79	9.08	-3.3%

Sources: Business Conditions Digest, U.S. Department of Commerce: U.S. Gross National Product, Total National Personal Income, Industrial Production Indexes, Total Business Expenditures for New Plant and Equipment, Index of Leading Indicators, GNP Price Deflator, National Employment Data, Interest Rates.

F.W. Dodge Report, McGraw-Hill: National Construction Data.

Survey of Current Business, U.S. Department of Commerce: New Home Mortgage Rates.

Utah Labor Market Report, Utah Department of Employment Security: Consumer price Indexes, Producer Price Index.

Chase N. Peterson, *President, University of Utah*
John Seybolt, *Dean, Graduate School of Business*

BUREAU OF ECONOMIC AND BUSINESS RESEARCH

R. Thayne Robson, Director
Frank C. Hachman, Associate Director

graduate school of business
bureau of economic and business research
university of utah

STAFF OF THE BUREAU OF ECONOMIC AND BUSINESS RESEARCH

Office Staff
Mari Lou Wood, Office Manager
Cathy Crawford, Administrative Assistant
Diane Gillam, Associate Accountant
Lee Carberry, Administrative Secretary
Gaylene Roethel, Administrative Secretary
Michael Khuu, Clerk

Research Analysts and Research Assistants
Jan Crispin
Cindy Lewis
Mark Oberg
Gary Hicks
Austin Sargent
James Wood

Boyd L. Fjeldsted

James B Peters, Graphics